BLUEBIRD

www.mypidion.com

Windows Business PAD

BP80

User's Manual

- Please read the following warnings before using the product.
- Shapes and colors of the images shown in this manual may differ from the actual products.
- Contents of the manuals may differ based on the software version of products or conditions of the wireless provider.

- This user manual is protected by copyright.
- This user manual has been created by the Bluebird Inc. We have done our best not to create typos, editing errors, and leaving out any information. Please understand if there are any inconveniences.
- This product's program is legally protected. Illegal copying, transmitting, or erasing of the program is prohibited.
- This product's partial functions might have problems from the environment, user program, and other machines.
- The radio equipment can't be used for life saving services because there is possibility to have radio interference and failure.

REGISTERED TRADEMARK

BLUEBIRD

BLUEBIRD is an emerging global brand, striving to lead the market in performance and mobility. Their products represent reliability, innovation, and innovative technology. Pidion is a registered trademark from the global brand of Bluebird Inc. and is copyright protected.

User's guidance

Device type	User's guidance
Class B Device (Household Information and Communication Device)	This device has qualified the electromagnetic wave suitable registration and can be used as a household device at a residential area as well as any other areas.
Type registration	This wireless device may cause propagation interference, and so, it cannot be used for life-saving services.

※ **Please read warnings and cautious before use.**

FCC (Federal Communications Commission)

This device complies with Part 15 of the FCC`s Rules. Operation is subject to the following two Conditions:

1. This device may not cause harmful interference, and
2. This device must accept antenna interference received, including interference that may cause undesirable operation.

This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.

The antenna must be installed such that 0 cm is maintained between the antenna and users, and the transmitter module may not be co-located with any other transmitter or antenna.

End users cannot modify this transmitter device. Any Unauthorized modification could void the user`s authority to operate this device.

Contains GSM/PCS Module
FCC ID: J9CGOBI3000

Contains WiFi/UNII+BT
FCC ID: PPD-AR5B22

CE

Hereby, Bluebird Inc. declares that this BP80 is in compliance with the essential requirements and other relevant provisions of directive 1999/5/EC.
Use only power supplies listed in the user manual.

Adaptor Info
- Manufacturer : CWT (Switching Power Supply)
- Model : KPL040K
- Input : 100-240~1.7A, 50~60Hz
- Output : 19V / 2.11A

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Notice Before Using Device

This information is for your own safety. Please observe the following precautions.

- This device is qualified for the standard of the safety of human body against electromagnetic wave. For your own safety, please use certified devices provided by headquarter.
  If not the case, we cannot guarantee your safety.
- Do not press power button on the device if the device is wet or do not touch adapter or power cord with wet hands. There is risk of electric shock.
- Do not remodel, take apart, or repair the device. Please refer to your customer service center. If not the case, you will not be able to get your free repair service.
- Please follow instructions when using the battery.
- Do not use your device at an explosive danger zone.
- In case your device is wet, do not put your device in heaters, microwaves, or etc to dry- there is a risk of explosion or it can be the cause of malfunction.
  (Please note there is a label in the device that changes color when it gets wet. In this case you will not be able to get your free repair service.)
- This product can be decomposed as the product has passed the waterproof / dustproof test and insert the wrong cover and cause performance degradation.
  Please be sure to check the cover to insert and use.
- Please backup the data and information from your device.
  During the repair or upgrade, there is a slight possibility of your data being erased.
  (Ring tones, text/voice message, characters will be reset.)
- Please refrain from using your device while driving. If you are in an unavoidable situation, stop your vehicle or use your hand free kit.
- Do not use in places of high temperature and high humidity. The following can be the causes of malfunction: getting wet from the rain, spilling drinks, and taking it in with you at the sauna (high temp.) In these cases, you cannot receive your free repair service.
- Do not place credit cards, phone cards, bankbook, and tickets next to the device.
  The magnetic forces of the device can damage the information of listed item.
- Please avoid impacts or vibrations. When the device is not in use, unplug the power cord and place it at a safe place where it won't drop.
- Do not place your device at a dusty place. Keep your power cord away from any heating devices. Unplug the power cord when cleaning. If there are any dusts or residue clean the power cords pins thoroughly.
- When a battery is not in use for a long time, please charge and store it at room temperature. Even for fully charged battery, the lifetime can be decreased because of its own properties of voltage decrease.
- Do not paint your device. It can damage your screen or your device's exterior.
  Also, the paint can peel off and it triggers allergies.
  If there is allergic reaction, please find medical advice.

Precautions Before Using Battery

These are safety precautions in order to prevent a dangerous accident.
Please use the battery correctly and carefully observe the instructions.

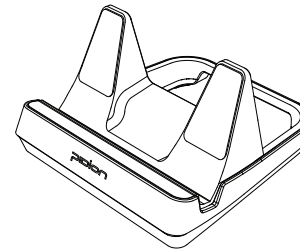
- If the battery is taken apart by impact, applied heat, submersion, or hole-drilling, there is a risk of a dangerous explosion. Please keep away from children and animals.
- Leaving the battery in the vehicles under direct sunlight or any enclosed space with hot temperature can deform or break down the battery.
- Please do not make any improper contact on battery contact pin with necklaces, coins or any electric conductors. Do not give any impact by sharp object. There is a risk of explosion.
- Please use only the designated battery for the device.
  If the original battery is not used, the life of the device may decrease and there is a risk of explosion. (In this case you cannot receive the free repair service)
- When charging the battery, you must use the supplied standard power adapter.
  If the original adapter is not used, the battery life may decrease and may explode.
  (In this case you cannot receive the free repair service)

About the product

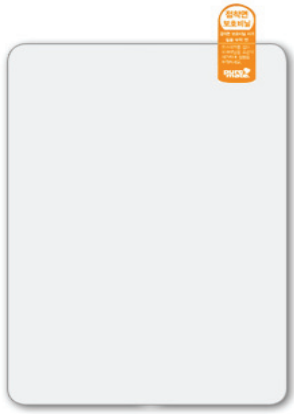
1. Checking components & Accessories

The images in this User's Manual may not reflect the color and shape of the actual product.
Please contact the Customer Care Center if you wish to purchase any additional or optional products.

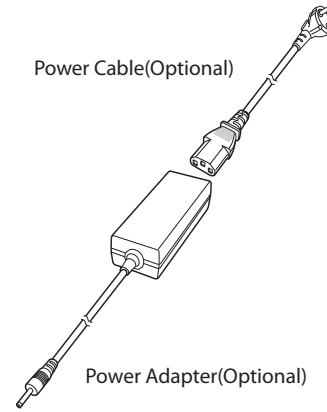
BP80 Main Body



Cradle (Optional)



LCD protect film(Optional)



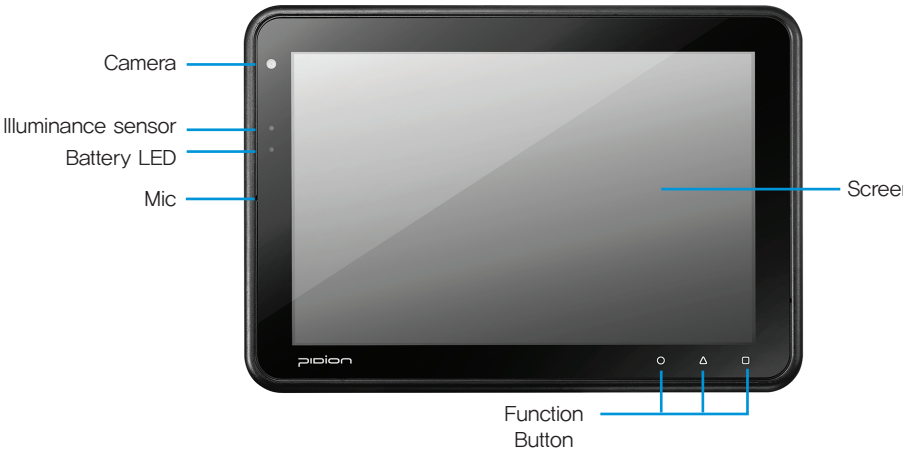
Power Cable(Optional)

Power Adapter(Optional)

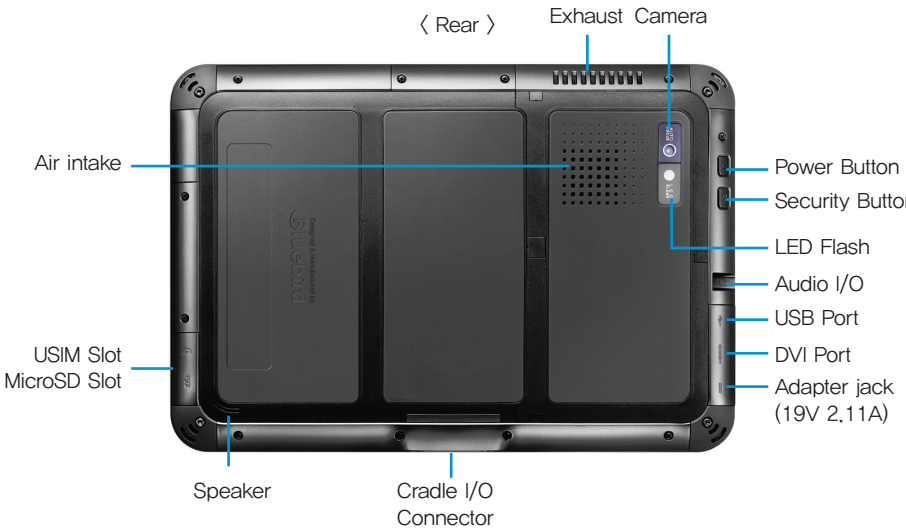
2. Checking names of parts

2-1 Main Body

〈 Front 〉



〈 Rear 〉

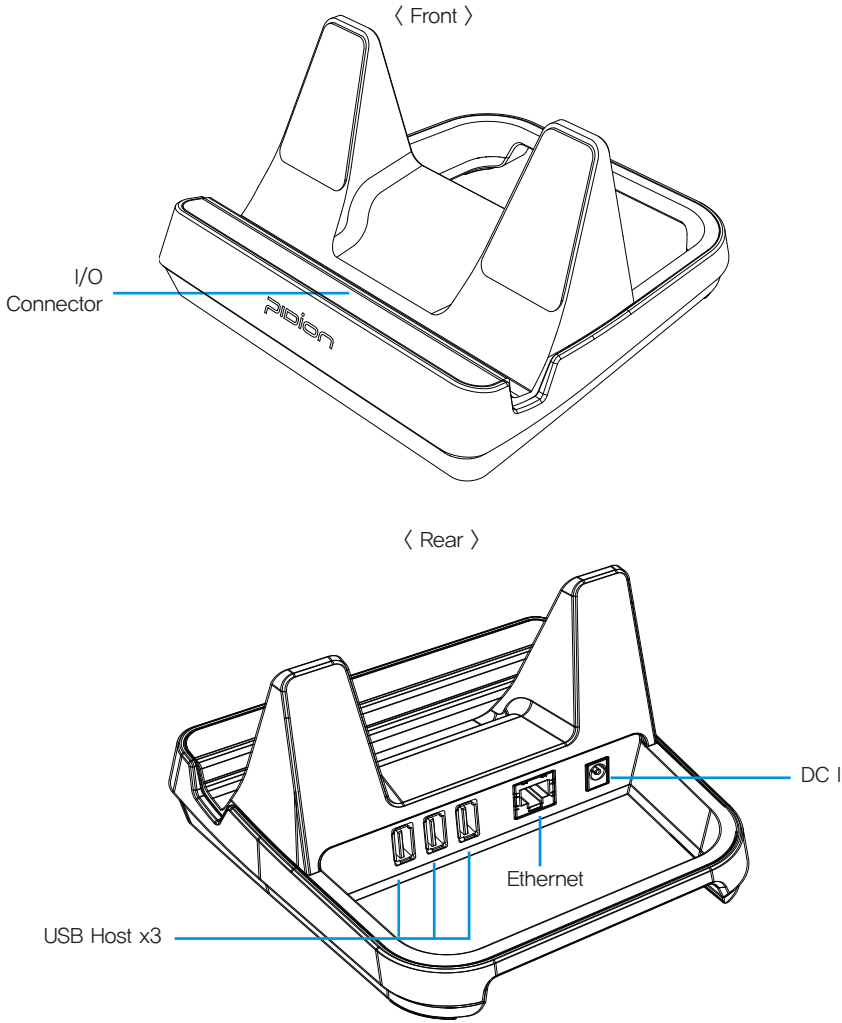


WARNING

- Blocking the air intake for the product to overheat damage to the system. Is the cause of the failure.
- There is a risk of burns to the high temperature of the exhaust.

2. Checking names of parts (Optional)

2-2 Cradle



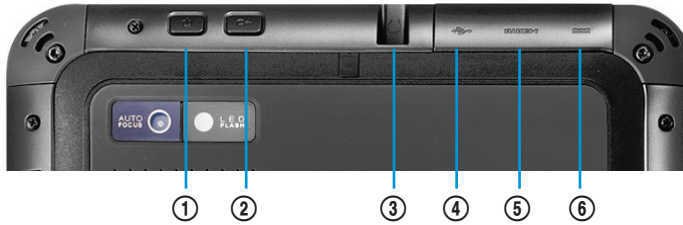
WARNING

- Be careful not to Cradle reverse.
- Incorrect mounting may cause malfunctions.
- Please use the specified adapter.

About the product

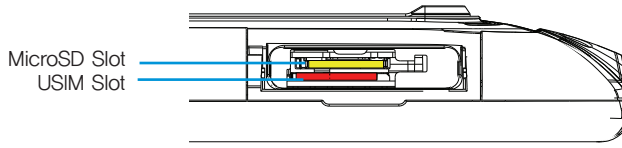
3. Features

The front panel includes the following features:



Item	Description
1. Power Button	Turns on the device
2. Security Button	BP80 lock can be turned off. Perform the same "Ctrl + Alt + Delete key and the computer's functions.
3. Audio I/O	Can connect headphones and speakers, or other audio devices. Ear Microphone / headset support (3.5mm jack Compatible)
4. USB Port	You can connect an external storage device and the external device.
5. DVI Port	Digital video devices can be connected. Support to Micro HMDI (type D).
6. Adapter jack	Adapter can charge. (19V 2.11A)

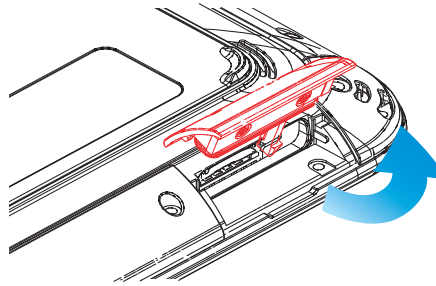
Item	Description
1. MicroSD Slot	External memory card slot
2. USIM Slot	USIM card is inserted, the wireless network operators to provide broadband network if necessary, can be used.



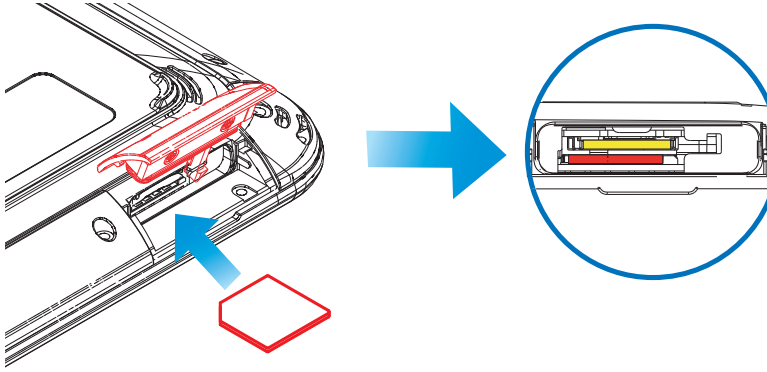
Learning Basics

1. USIM card

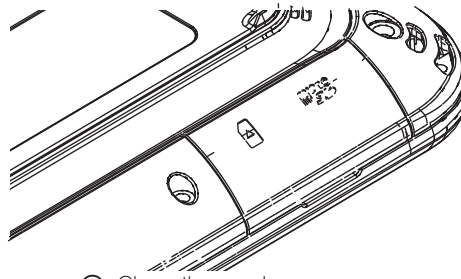
1-1 Insert the USIM card



① Open the card cover.



② Slide out the USIM card in the arrow direction.
– Please check the card shape and direction.
– USIM card is inserted below.

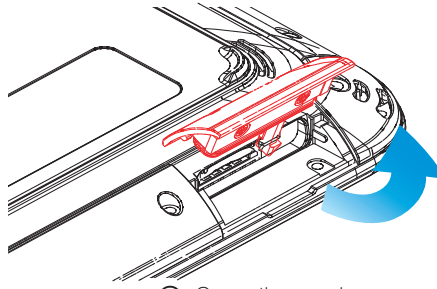


③ Close the card cover.

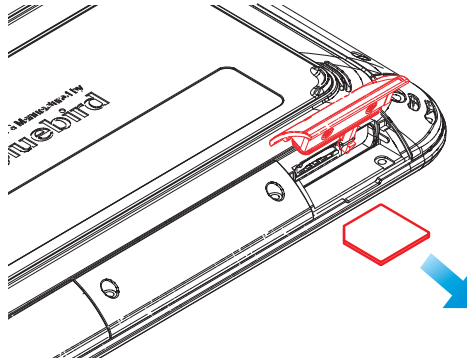
WARNING

- Be careful not to get caught between the USIM and the Micro SD slot!
- Incorrect mounting may cause malfunctions.
- Please! secure the cover.

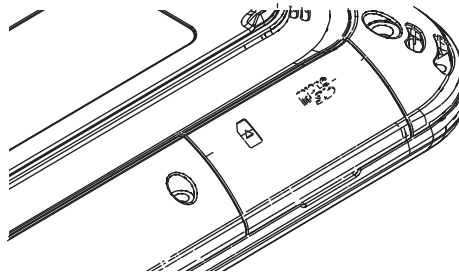
1-2 Remove the USIM card



① Open the card cover.



② USIM card in the direction of the arrow and pull it out.



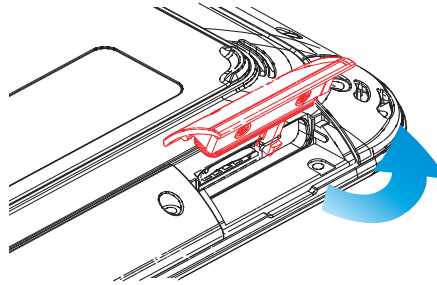
③ Close the card cover.

WARNING

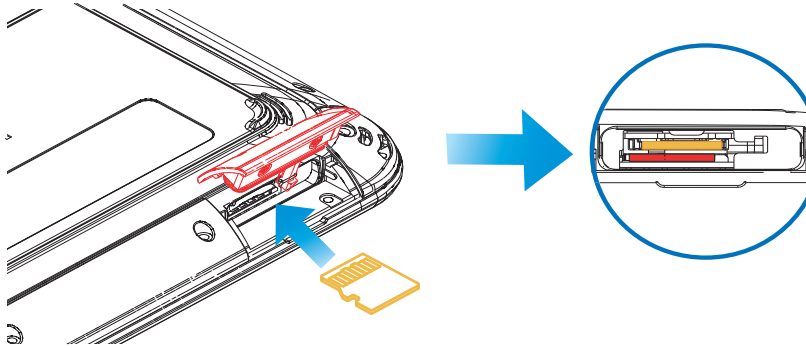
- Be careful not to get caught between the USIM and the Micro SD slot!
- Incorrect mounting may cause malfunctions.
- Please! secure the cover.

2. MicroSD card

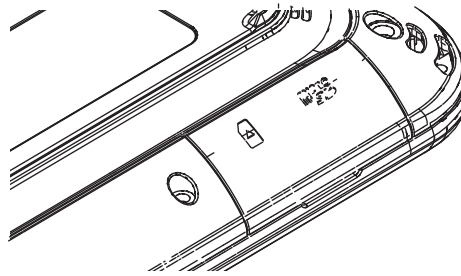
2-1 Insert the microSD card



① Open the card cover.



② Slide out the USIM card in the arrow direction.
– Please check the card shape and direction.
– USIM card is inserted below.

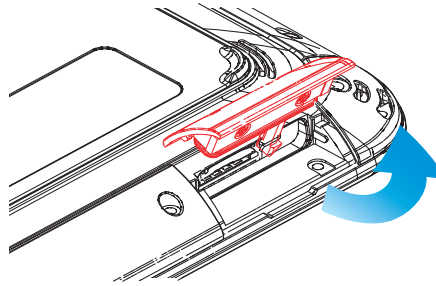


③ Close the card cover.

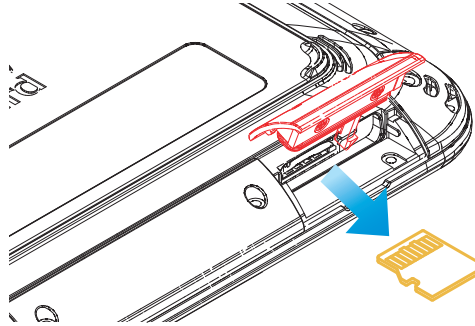
WARNING

- Be careful not to get caught between the USIM and the Micro SD slot!
- Incorrect mounting may cause malfunctions.
- Please! secure the cover.

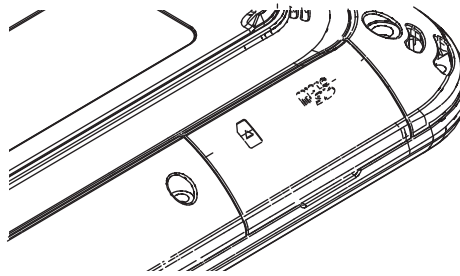
2-2 Remove microSD card



① Open the card cover.



② microSD card in the direction of the arrow and pull it out.



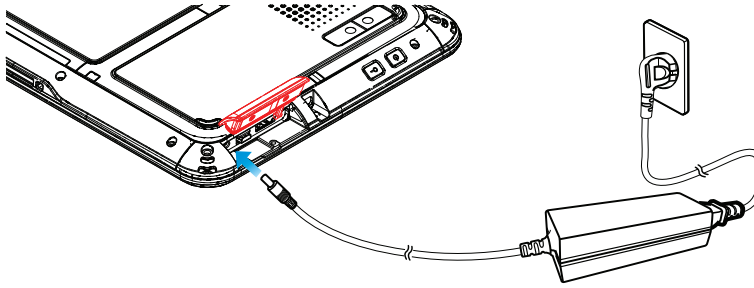
③ Close the card cover.

WARNING

- Be careful not to get caught between the USIM and the Micro SD slot!
- Incorrect mounting may cause malfunctions.
- Please! secure the cover.

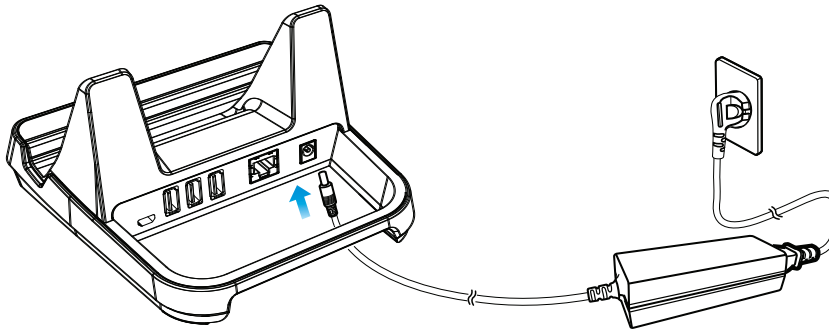
3. To Connect the BP80 Power

3-1 Direct charge



As you can see in the picture, the direct connection adapter.

3-2 Cradle Charge



As you see in the picture, connect the adapter to cradle.

WARNING

- When The battery of the device is low, it may warn you with a ring and a message.
- The charging time can vary depending on the environment.
  A new battery is only partially charged. Please charge fully before using.
- Please! secure the cover.

4. About battery

Charging status indication

	Power Off	Sleep	Power On
Not Charging	off	green blink	green
Charging	red	orenge	red
Charging finished	green	green	green

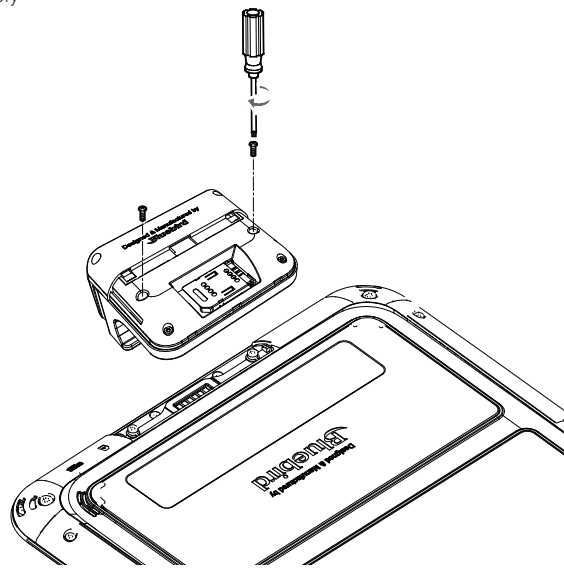
※ The charging indication lamp on the desktop charger and the terminal are switched to green when charging is finished.
The battery will not be damaged if charging is continued.

※ The time required for charging is depending on the charging status.
If the charging time gets shorter by half, you need to purchase a new battery.

Value Pack (Optional)

1. Smart Plug1

1. Assembly



Assemble it with two screws.

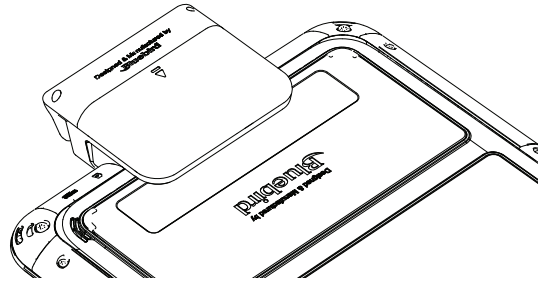
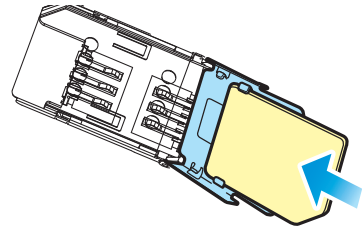


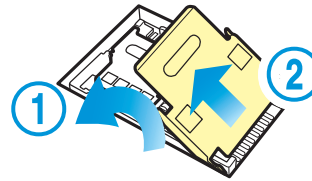
Figure : Close the cover to complete the assembly.

Value Pack (Optional)

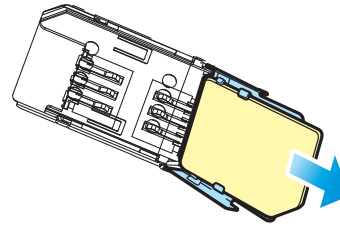
2. SAM Card



Slide in the SAM card in the arrow direction.



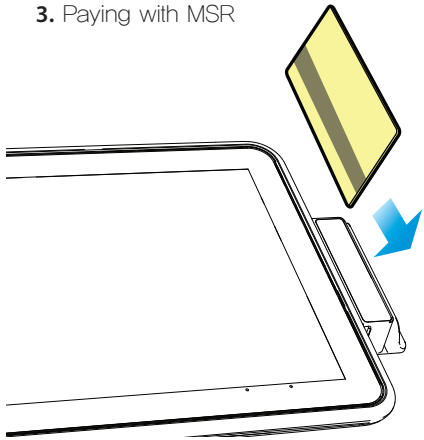
Push down the SAM holder and fix it by pushing to the 'LOCK' direction.



Remove the SAM card to the direction of the arrow.

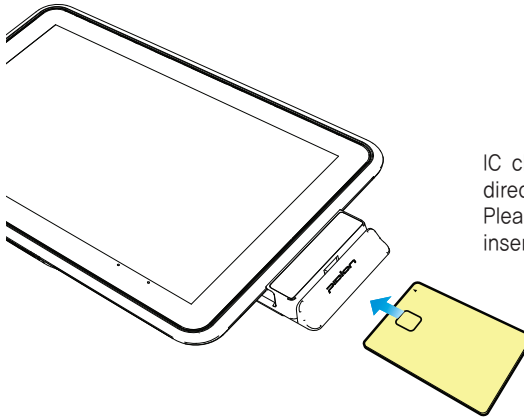
Value Pack (Optional)

3. Paying with MSR



The card can be swiped in bi-direction.

4. Paying with IC Card

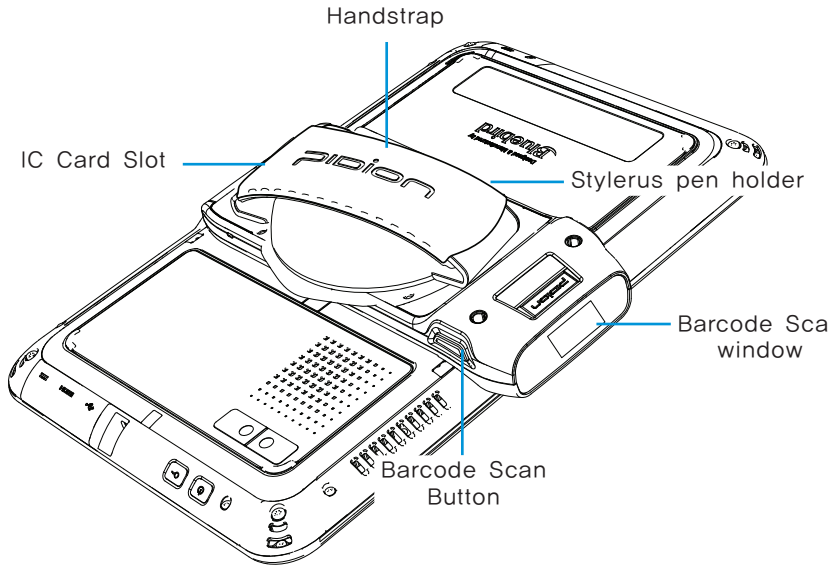


IC chip needs to be pushed in the direction of the arrow.
Please make sure that IC chip can be inserted facing the upwards.

Value Pack (Optional)

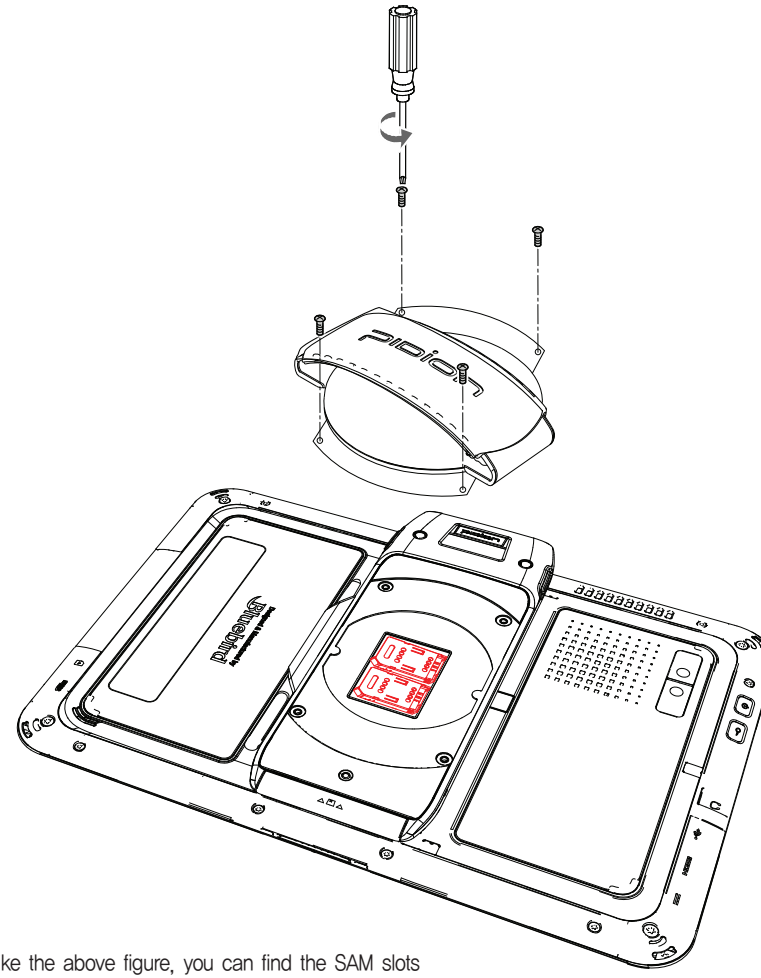
2. Smart Plug2

1. Checking names of parts



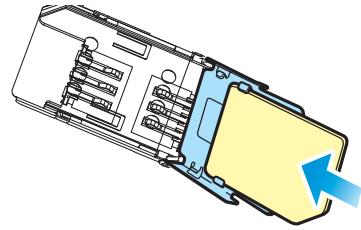
Value Pack (Optional)

2. SAM Card

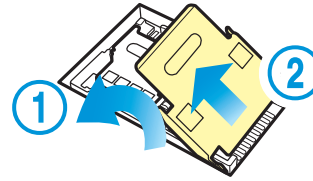


Like the above figure, you can find the SAM slots after loose four screws and remove the hand-strap.

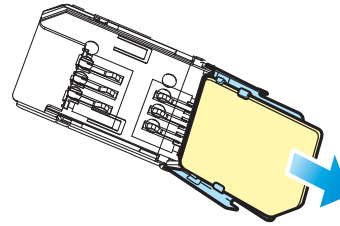
Value Pack (Optional)



Slide in the SAM card in the arrow direction.



Push down the SAM holder and fix it by pushing to the 'LOCK' direction.



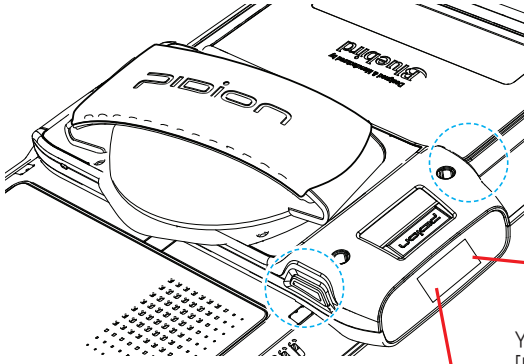
Remove the SAM card to the direction of the arrow.

WARNING

Assembly is the reverse of the hand strap.

Value Pack (Optional)

3. Barcode Scan



You can scan bar code when you push the [barcode button] of smart-plug 2.

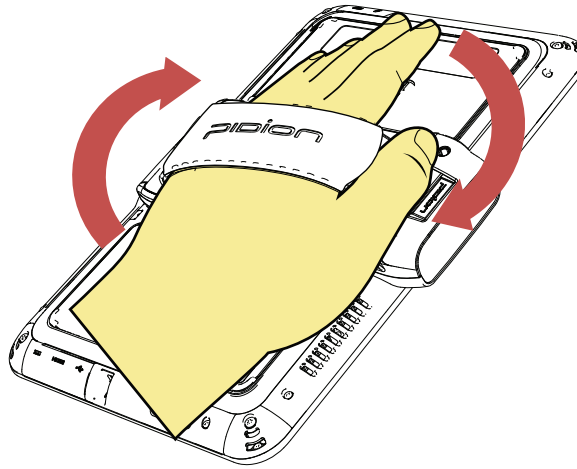
Keep 10cm distance between bar code module and bar code scanner window and scan bar code with proper angle.

WARNING

If you are using Barcodes with special programs, please contact the manufacturing company.

Value Pack (Optional)

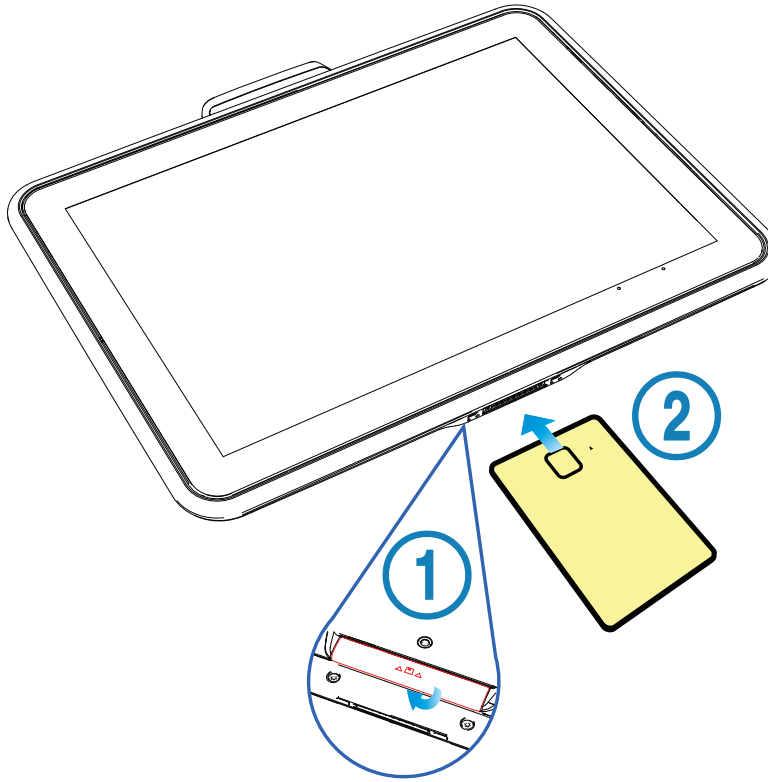
4. Hand Strap



Hand strap can be rotated to 360 degrees.

Value Pack (Optional)

5. Paying with IC card



Remove the card cover at the bottom and insert the card to do credit card payment.

Value Pack (Optional)

3. LCD Protect Film

▶ Caution

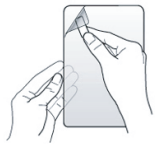
Before application	Choose a dust–free place to apply the film. Wash your hands and clean your LCD perfectly. Adhesive side protection vinyl is only to be removed right before applying the film on your LCD.
During application	Be careful not to stain the adhesive side with dirt like dust or fingerprint. In case the adhesive side is stained, cleaning it with water will make the film unusable.
After application	White spots or white scratches may be seen after application. Unless they appear because of dirt, the spots or lines disappear within 24 hours as adhesive substances stabilize.

Due to the product's nature, it is not exchangeable or refundable even when the application was not successful.

▶ How to apply the protective film

Step1 **Check film size and Clean your LCD**

Place the film on your LCD to check its size and think how to apply it on your LCD.
Align the protective film to the screen edges to make sure the film is adhered at the center of your LCD.
Clean the surface using the cleaner included to avoid dust or hairs.
No single dirt should be left.



Step2 **Remove one third of the adhesive side protection vinyl and Start application**

Remove about one third of the adhesive side protection vinyl, and accurately adhere the protective film from left to right on the upper part of your LCD.
Remove the protection vinyl little by little while applying the film on your LCD.
The parts of film from which the adhesive side protection vinyl is removed will naturally be attached to the LCD.
When air bubbles appear, lift the film a little bit and reapply it, or use soft cloth to press any bubble trapped inside out towards the edges.

Tip **In case any dust or dirt is trapped between the film and the screen**

Attach a piece of transparent tape on a corner of the LCD and lift up the tape (therefore the film) slowly.
Remove the dust from the adhesive side with another piece of transparent tape.
Be careful not to stain the adhesive side of the film with any dust, dirt or transparent tape's adhesives.

Device Specifications

Physical Characteristics	
Dimensions (W x H x D)	•182 x 264 x 17.7 mm / 7.1 x 10.3 x 0.6 inch
Weight	•980g/2.1lb(Including battery)
Display	• Eyelluminate™ Display; 10.1-inch LED-backlit widescreen Multi-Touch display with IPS technology; 1280 x 800 pixel; Crystal Clear View at all Angles(even under direct Sunlight); Covered with Anti FingerPrint Coated Corning® Gorilla Glass®
Keypad	Virtual
Battery	Built-in 51.8-watt-hour(14,000mAh) rechargeable lithium-polymer battery; Beyond 8 hours Battery Life
Expansion Slot	User-accessible MicroSD slot for removable memory card up to 32G
SIM/SAM Slot	1 SIM
Audio	Loud Speaker and microphone
Camera	Rear: 3 megapixel Autofocus LED Flash; Video recording, HD with audio; Front: 1.3 megapixel; Webcam
GPS	Assisted GPS
Sensor	Ambient light sensor; Motion Sensor
Performance Characteristics	
Processor	• 1.6GHz Processor , Hyper Threading
OS	• Optional, Windows 7 ; Windows 8 ; Windows Embedded standard 7P
Memory	• 2 GB SDRAM
Storage	• Optional, 64GB/32GB Solid State Drive (SSD)
Interface	• 1 USB Host; 1 Micro HDMI; Power Jack; Headset Jack; Docking connector
User Environment Characteristics	
Durability	•TankSmith™ Technology IP65 Sealing 0.8m / 2.7ft. Drop to steel surface, **Millitary-Standard** 1.5m / 4ft. Drop to steel surface, **Millitary-Standard** (Applying the ruggedness pack)
Vibration	• 4Gs peak, 5Hz to 2kHz, 1 hour duration per axis
Operating Temp	• 5℃ to 43℃ / 41℉ to 110℉
Storage Temp	• –20℃ to 65℃ / –4℉ to 149℉
Humiditiy	• 95% non-condensing
ESD	• +/-15kv Air, +/-8kv contact, +/-2kv charge body
Integrated Radio Options	
WWAN Radio(Optional)	• 4G LTE, HSPA+/HSPA/UMTS, EDGE/GSM
WLAN Radio(Optional)	• IEEE 802.11a/b/g/n (Rigorous Security in Full Support: WPA, WPA2, 802.1X, WEP, AES-CCMP, TKIP)
WPAN Radio(Optional)	• Bluetooth V4.0 LE
NFC(Optional)	• NFC(Near Field Communication), All Types Supported(MIFARE/CALYPSO/FELICA/ETC.); ISO21481 (NFCIP-2), TypeA, Type B
Security Characteristics	
Security	• Stonewall Security™; BitLocker™, BitLocker To Go, AppLocker, TPM, Enhanced Writer Filter (Varies on OS Option)
peripherals	
Options	• Smart Plug Type 1 : Magstripe Reader Smart Plug Type 2 : Barcode Scanner & Scan Key / IC card / Spin hand strap / SAM Slot in one Square Handle (type 1 or type2) 1Slot Cradle Blue-Pen

Please ask your sales representative for the specs not listed above.

Q & A

Q **Water went into my device. What do I do?**

A After drying for a good period of time, try to turn it on. If it still does not turn on, the main-board or other parts needs to be replaced. Please contact to your service center.

Q **The BP80 won't turn on.**

A The program may be damaged. Please try resetting your device. If it still doesn't work, Please contact the service center.

Q **The BP80 won't charge.**

A A Make sure the power cable and your device have been properly connected.
Try to clean the charging terminals. If they still do not work, your battery life might be finished or it may be a broken battery. (The battery warranty lasts for 6 months)

Q **How do I get the repair service?**

A You can send the device via a delivery service to headquarter. When sending the package, make sure you pay for the shipping fee in advance.
When the repair is finished, headquarter will cover the shipping cost.

Q **My battery drains very quickly.**

A The battery can be drained quickly when the Wi-Fi or Bluetooth is turned on.
If it drains quickly regardless of using the options above, please purchase another battery.

- If you have done the above and the device still does not work, please contact to the service center.
- After the 1 year warranty the repair service will be charged.

Service Center

Before Requesting After-Sales Service

Before asking for after-sales service, please back up the data from the terminal. We do not back up data from the products received in the Customer Care Center. Therefore, we assume no responsibility for loss/deletion of data.

Bluebird Customer Service

- FAX : +82-2-548-0870
- E-Mail : mookseven@bluebird.co.kr
- Address : Customers service center, SSang-young IT twintower B 703, Sangdaewon-dong 442-5, Joongwon-gu, Sungnam-si, Keonggi-do, Korea

Operating hours

- Mon.-Fri. : 9:30 A.M. ~ 6:30 P.M. (GMT Time: +9 Hours)
  The center is closed on Saturdays, Sundays and holidays.

Registering for After-Sales Service

- We receive the products for after-sales service through mail, delivery service and hand carry only in principle.
- If you bought the product from any party other than the authorized dealer, you need to register the product before asking for after-sales service.
- Please enclose an evidence of purchasing or the receipt to the product for after-sales service.
- Please enclose the name, telephone number, address and symptom for prompt service.
- You can ask for after-sales service through the dealer or the Customer Care Center in the head office.
- Do not intentionally damage the label on the product.
- Damaged label may result in a disadvantage to the customer.
- When you return the product to Bluebird for service, please put the product in a protective box.
- Warranty will not be provided for any damage occurring during delivery. We recommend you to use the box and protective cover supplied with the product.
- Make sure to deliver the product in a safe way. Bluebird assumes no responsibility for loss of the product during delivery.

Service Center

Charged Service

1. If it is not a default, it will be charged when requesting for after-sales service.
   - Service request due to inappropriate use of the customer
   - Loss of a PIN number
   - Use of programs that might effect the program (over-clock, forceful changes in the input of the system, personal developments)

2. Default due to a mistake on the part of the customer
   - Default due to inappropriate or careless use of the product (dropping, submersion under water, shock, damage, unreasonable operations, etc).
   - Default due to a repair or unauthorized technician.
   - Default caused intentionally or by carelessness of the customer.
   - Default due to the use of fraudulent parts or components.

3. Other cases
   - Default due to nature (fire, damage due to sea wind, flood damage, etc.).
   - Expendable parts have exhausted there life (batteries, antenna, or other component parts).

4. Regulations of treatment after charged service
   - If the same default occurs on the part that had been repaired within a 2 months(60 days) period, it will be provided with free of charge repair service.

There will be no returning of goods or repayment upon the following situation

- Removal of the sealing of the product if it had been sealed.
- If the product has been damaged due to careless use by the customer or due to a natural disaster (floods, rain, fire, etc.).
- Loss of product or other components (CD, diskette, manual, connecting cables, etc).
- Damage to the product after 10 days of purchase, the product will either be exchanged or provided with after-sales service (note, returning of goods or repayment is not allowed).

Warranty Certificate

Thank you for purchasing a product from Bluebird Inc.

- If a circumstance arises where you lose a receipt or the certificate of guarantee, then the term of guarantee will be calculated 3 months (certified by the number of the manufacture, a certificate of inspection) after the date of manufacture.
- In case of accessories (such as batteries), only those that match the sales list managed by the service center will be eligible for customer service.
- A repair or an exchange of batteries that does not match the sales list of the service center due to the carelessness of the customer will be fully charged.

Name of Product	Windows Business PAD
Name of Model	BP80
Date of Purchase	
Manufacture Number	
Place of Purchase	
Term of Guarantee	1 year from purchase

Warranty

1. Bluebird Inc. (hereinafter referred to as Bluebird) provides the warranty service for its products in compliance with the regulations on compensation for damage of customer.
2. Upon receiving a notification on a defect of its product within the range of warranty during the warranty period, Bluebird will repair or replace the defective product according to its warranty policy.
3. If the defective product within the range of warranty is not repairable or replaceable, Bluebird shall refund the purchasing price within a designated period from the date of receiving a notice of defect.
4. Bluebird assumes no responsibility for repairing, replacement or refund until it receives the defective product from the customer. The replacement shall be equivalent to a new product in the aspect of performance.
5. Warranty of Bluebird is valid in the countries where the Bluebird products are distributed by Bluebird. (Contract for additional warranty service like field service)
6. Bluebird products may contain the recycled products, components or materials equivalent to new products in the aspect of performance.
7. This warranty is applied to software products only when the programming commands are not executed. Bluebird does not guarantee interruption-free or error-free performance.

BLUEBIRD

Customers Service Center

Hours
Mon. ~ Fri. : 9:30 A.M. ~ 6:30 P.M.
(GMT Time: +9 Hours)
We are not open on Saturday,
Sundays and National Holidays.

Address
Customers service center, SSang-young
IT twintower B 703, Sangdaewon-dong
442-5, Joongwon-gu, Sungnam-si,
Keonggi-do, Korea

Bluebird constantly strives to bring utmost satisfaction to all our customers.